

PATENT COOPERATION TREATY

From the INTERNATIONAL BUREAU

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

Date of mailing (day/month/year) 07 September 1998 (07.09.98)	To: United States Patent and Trademark Office (Box PCT) Crystal Plaza 2 Washington, DC 20231 ETATS-UNIS D'AMERIQUE
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in its capacity as elected Office

International application No. PCT/JP98/00233	Applicant's or agent's file reference FP97-262
International filing date (day/month/year) 22 January 1998 (22.01.98)	Priority date (day/month/year) 23 January 1997 (23.01.97)

Applicant NAKAMURA, Satoshi et al
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1. The designated Office is hereby notified of its election made:

in the demand filed with the International Preliminary Examining Authority on:

14 August 1998 (14.08.98)

in a notice effecting later election filed with the International Bureau on:

2. The election was

was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35	Authorized officer Sean Taylor Telephone No.: (41-22) 338.83.38
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PATENT COOPERATION TREATY

PCT

NOTIFICATION CONCERNING
DOCUMENT TRANSMITTED

From the INTERNATIONAL BUREAU

To:

United States Patent and Trademark
Office
(Box PCT)
Crystal Plaza 2
Washington, DC 20231
États-Unis d'Amérique

in its capacity as elected Office

Date of mailing (day/month/year) 06 October 1998 (06.10.98)	
International application No. PCT/JP98/00233	International filing date (day/month/year) 22 January 1998 (22.01.98)
Applicant SHARP KABUSHIKI KAISHA et al	

The International Bureau transmits herewith the following documents and number thereof:

copy of the English translation of the international preliminary examination report (Article 36(3)(a))

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35	Authorized officer Sean Taylor Telephone No.: (41-22) 338.83.38
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PCT

REQUEST

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.

For receiving Office use only

International Application No.

International Filing Date

Name of receiving Office and "PCT International Application"

Applicant's or agent's file reference
(if desired) (12 characters maximum)

FP97-262

Box No. I TITLE OF INVENTION

PROGRAMMABLE DISPLAY DEVICE

Box No. II APPLICANT

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (i.e. country) of residence if no State of residence is indicated below.)

SHARP KABUSHIKI KAISHA

22-22, Nagaike-cho, Abeno-ku, Osaka-shi,
Osaka 545 JAPAN

This person is also inventor.

Telephone No.
06-621-1221

Facsimile No.
06-628-1653

Teleprinter No.

State (i.e. country) of nationality:

JAPAN

State (i.e. country) of residence:

JAPAN

This person is applicant all designated States all designated States except the United States of America the United States of America only the States indicated in the Supplemental Box

Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (i.e. country) of residence if no State of residence is indicated below.)

NAKAMURA Satoshi

193-2-C-105, Mutsuzaki, Sakura-shi, Chiba
285 JAPAN

This person is:

applicant only

applicant and inventor

inventor only (If this check-box is marked, do not fill in below.)

State (i.e. country) of nationality:

JAPAN

State (i.e. country) of residence:

JAPAN

This person is applicant all designated States all designated States except the United States of America the United States of America only the States indicated in the Supplemental Box

Further applicants and/or (further) inventors are indicated on a continuation sheet.

Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE

The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as:

agent

common representative

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.)

6953 Patent Attorney FUJIMOTO Hiromitsu

Telephone No.

03-3593-2361

c/o Fujimoto Patent & Law Office
Room 317, Sanno Grand Building 3F.
14-2, Nagata-cho 2-chome, Chiyoda-ku, Tokyo
100 JAPAN

Facsimile No.

03-3593-2822

Teleprinter No.

Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent.

Continuation of Box No. III FURTHER APPLICANTS AND/OR (FURTHER) INVENTORS

If none of the following sub-boxes is used, this sheet is not to be included in the request.

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (i.e. country) of residence if no State of residence is indicated below.)

YAMAMURA Hiroyuki

706-2-F201, Kamatori-cho, Midori-ku,
Chiba-shi, Chiba 266 JAPAN

This person is:

- applicant only
 applicant and inventor
 inventor only (If this check-box is marked, do not fill in below.)

State (i.e. country) of nationality: JAPAN

State (i.e. country) of residence: JAPAN

This person is applicant for the purposes of: all designated States all designated States except the United States of America the United States of America only the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (i.e. country) of residence if no State of residence is indicated below.)

YAMAMOTO Shinzi

24-7-A108, Honda-cho 2-chome, Midori-ku,
Chiba-shi, Chiba 266 JAPAN

This person is:

- applicant only
 applicant and inventor
 inventor only (If this check-box is marked, do not fill in below.)

State (i.e. country) of nationality: JAPAN

State (i.e. country) of residence: JAPAN

This person is applicant for the purposes of: all designated States all designated States except the United States of America the United States of America only the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (i.e. country) of residence if no State of residence is indicated below.)

MORIYA Masaaki

24-7-A107, Honda-cho 2-chome, Midori-ku,
Chiba-shi, Chiba 266 JAPAN

This person is:

- applicant only
 applicant and inventor
 inventor only (If this check-box is marked, do not fill in below.)

State (i.e. country) of nationality: JAPAN

State (i.e. country) of residence: JAPAN

This person is applicant for the purposes of: all designated States all designated States except the United States of America the United States of America only the States indicated in the Supplemental Box

Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (i.e. country) of residence if no State of residence is indicated below.)

This person is:

- applicant only
 applicant and inventor
 inventor only (If this check-box is marked, do not fill in below.)

State (i.e. country) of nationality:

State (i.e. country) of residence:

This person is applicant for the purposes of: all designated States all designated States except the United States of America the United States of America only the States indicated in the Supplemental Box

Further applicants and/or (further) inventors are indicated on another continuation sheet.

Box No.V DESIGNATION OF STATES

The following designations are hereby made under Rule 4.9(a) (*mark the applicable check-boxes; at least one must be marked*):

Regional Patent

- AP ARIPO Patent: GH Ghana, KE Kenya, LS Lesotho, MW Malawi, SD Sudan, SZ Swaziland, UG Uganda, ZW Zimbabwe, and any other State which is a Contracting State of the Harare Protocol and of the PCT
- EA Eurasian Patent: AM Armenia, AZ Azerbaijan, BY Belarus, KG Kyrgyzstan, KZ Kazakstan, MD Republic of Moldova, RU Russian Federation, TJ Tajikistan, TM Turkmenistan, and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT
- EP European Patent: AT Austria, BE Belgium, CH and LI Switzerland and Liechtenstein, DE Germany, DK Denmark, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, IE Ireland, IT Italy, LU Luxembourg, MC Monaco, NL Netherlands, PT Portugal, SE Sweden, and any other State which is a Contracting State of the European Patent Convention and of the PCT
- OA OAPI Patent: BF Burkina Faso, BJ Benin, CF Central African Republic, CG Congo, CI Côte d'Ivoire, CM Cameroon, GA Gabon, GN Guinea, ML Mali, MR Mauritania, NE Niger, SN Senegal, TD Chad, TG Togo, and any other State which is a member State of OAPI and a Contracting State of the PCT (*if other kind of protection or treatment desired, specify on dotted line*)

National Patent (if other kind of protection or treatment desired, specify on dotted line):

- | | |
|---|--|
| <input type="checkbox"/> AL Albania | <input type="checkbox"/> LV Latvia |
| <input type="checkbox"/> AM Armenia | <input type="checkbox"/> MD Republic of Moldova |
| <input type="checkbox"/> AT Austria | <input type="checkbox"/> MG Madagascar |
| <input type="checkbox"/> AU Australia | <input type="checkbox"/> MK The former Yugoslav Republic of Macedonia |
| <input type="checkbox"/> AZ Azerbaijan | <input type="checkbox"/> MN Mongolia |
| <input type="checkbox"/> BA Bosnia and Herzegovina | <input type="checkbox"/> MW Malawi |
| <input type="checkbox"/> BB Barbados | <input type="checkbox"/> MX Mexico |
| <input type="checkbox"/> BG Bulgaria | <input type="checkbox"/> NO Norway |
| <input type="checkbox"/> BR Brazil | <input type="checkbox"/> NZ New Zealand |
| <input type="checkbox"/> BY Belarus | <input type="checkbox"/> PL Poland |
| <input type="checkbox"/> CA Canada | <input type="checkbox"/> PT Portugal |
| <input type="checkbox"/> CH and LI Switzerland and Liechtenstein | <input type="checkbox"/> RO Romania |
| <input checked="" type="checkbox"/> CN China | <input type="checkbox"/> RU Russian Federation |
| <input type="checkbox"/> CU Cuba | <input type="checkbox"/> SD Sudan |
| <input type="checkbox"/> CZ Czech Republic | <input type="checkbox"/> SE Sweden |
| <input type="checkbox"/> DE Germany | <input checked="" type="checkbox"/> SG Singapore |
| <input type="checkbox"/> DK Denmark | <input type="checkbox"/> SI Slovenia |
| <input type="checkbox"/> EE Estonia | <input type="checkbox"/> SK Slovakia |
| <input type="checkbox"/> ES Spain | <input type="checkbox"/> SL Sierra Leone |
| <input type="checkbox"/> FI Finland | <input type="checkbox"/> TJ Tajikistan |
| <input type="checkbox"/> GB United Kingdom | <input type="checkbox"/> TM Turkmenistan |
| <input type="checkbox"/> GE Georgia | <input type="checkbox"/> TR Turkey |
| <input type="checkbox"/> GH Ghana | <input type="checkbox"/> TT Trinidad and Tobago |
| <input type="checkbox"/> HU Hungary | <input type="checkbox"/> UA Ukraine |
| <input type="checkbox"/> IL Israel | <input type="checkbox"/> UG Uganda |
| <input type="checkbox"/> IS Iceland | <input checked="" type="checkbox"/> US United States of America |
| <input type="checkbox"/> JP Japan | <input type="checkbox"/> UZ Uzbekistan |
| <input type="checkbox"/> KE Kenya | <input type="checkbox"/> VN Viet Nam |
| <input type="checkbox"/> KG Kyrgyzstan | <input type="checkbox"/> YU Yugoslavia |
| <input type="checkbox"/> KP Democratic People's Republic of Korea | <input type="checkbox"/> ZW Zimbabwe |
| <input checked="" type="checkbox"/> KR Republic of Korea | Check-boxes reserved for designating States (for the purposes of a national patent) which have become party to the PCT after issuance of this sheet: |
| <input type="checkbox"/> KZ Kazakstan | <input checked="" type="checkbox"/> Indonesia |
| <input type="checkbox"/> LC Saint Lucia | <input type="checkbox"/> |
| <input type="checkbox"/> LK Sri Lanka | <input type="checkbox"/> |
| <input type="checkbox"/> LR Liberia | <input type="checkbox"/> |
| <input type="checkbox"/> LS Lesotho | <input type="checkbox"/> |
| <input type="checkbox"/> LT Lithuania | <input type="checkbox"/> |
| <input type="checkbox"/> LU Luxembourg | <input type="checkbox"/> |

In addition to the designations made above, the applicant also makes under Rule 4.9(b) all designations which would be permitted under the PCT except the designation(s) of
The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation of a designation consists of the filing of a notice specifying that designation and the payment of the designation and confirmation fees. Confirmation must reach the receiving Office within the 15-month time limit.)

Supplemental Box If the Supplemental Box is not used, this sheet need not be included in the request.

Use this box in the following cases:

1. If, in any of the Boxes, the space is insufficient to furnish all the information:

in particular:

- (i) if more than two persons are involved as applicants and/or inventors and no "continuation sheet" is available;
- (ii) if, in Box No. II or in any of the sub-boxes of Box No. III, the indication "the States indicated in the Supplemental Box" is checked;
- (iii) if, in Box No. II or in any of the sub-boxes of Box No. III, the inventor or the inventor/applicant is not inventor for the purposes of all designated States or for the purposes of the United States of America;
- (iv) if, in addition to the agent(s) indicated in Box No. IV, there are further agents;
- (v) if, in Box No. V, the name of any State (or OAPI) is accompanied by the indication "patent of addition," or "certificate of addition," or if, in Box No. V, the name of the United States of America is accompanied by an indication "Continuation" or "Continuation-in-part";
- (vi) if there are more than three earlier applications whose priority is claimed;

in such case, write "Continuation of Box No. ..." [indicate the number of the Box] and furnish the information in the same manner as required according to the captions of the Box in which the space was insufficient;

in such case, write "Continuation of Box No. III" and indicate for each additional person the same type of information as required in Box No. III. The country of the address indicated in this Box is the applicant's State (i.e. country) of residence if no State of residence is indicated below;

in such case, write "Continuation of Box No. II" or "Continuation of Box No. III" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the applicant(s) involved and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is applicant;

in such case, write "Continuation of Box No. II" or "Continuation of Box No. III" or "Continuation of Boxes No. II and No. III" (as the case may be), indicate the name of the inventor(s) and, next to (each) such name, the State(s) (and/or, where applicable, ARIPO, Eurasian, European or OAPI patent) for the purposes of which the named person is inventor;

in such case, write "Continuation of Box No. IV" and indicate for each further agent the same type of information as required in Box No. IV;

in such case, write "Continuation of Box No. V" and the name of each State involved (or OAPI), and after the name of each such State (or OAPI), the number of the parent title or parent application and the date of grant of the parent title or filing of the parent application;

in such case, write "Continuation of Box No. VI" and indicate for each additional earlier application the same type of information as required in Box No. VI.

in such case, write "Statement Concerning Non-Prejudicial Disclosures or Exceptions to Lack of Novelty" and furnish that statement below.

[Continuation of Box No. IV]

10114 Patent Attorney KANDA Masayoshi

c/o Fujimoto Patent & Law Office
Room 317, Sanno Grand Building 3F.
14-2, Nagata-cho 2-chome, Chiyoda-ku, Tokyo 100 JAPAN

Telephone No.: 03-3593-2361
Facsimile No.: 03-3593-2822

Box No. VI PRIORITY CLAIMFurther priority claims are indicated in the Supplemental Box

The priority of the following earlier application(s) is hereby claimed:

Country (in which, or for which, the application was filed)	Filing Date (day/month/year)	Application No.	Office of filing (only for regional or international application)
item (1) JAPAN	23.01.97	Patent Appln. No. Hei 9-10592	
item (2)			
item (3)			

Mark the following check-box if the certified copy of the earlier application is to be issued by the Office which for the purposes of the present international application is the receiving Office (a fee may be required):

The receiving Office is hereby requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) identified above as item(s): (1)

Box No. VII INTERNATIONAL SEARCHING AUTHORITY

Choice of International Searching Authority (ISA) (If two or more International Searching Authorities are competent to carry out the international search, indicate the Authority chosen; the two-letter code may be used): ISA / JP

Earlier search Fill in where a search (international, international-type or other) by the International Searching Authority has already been carried out or requested and the Authority is now requested to base the international search, to the extent possible, on the results of that earlier search. Identify such search or request either by reference to the relevant application (or the translation thereof) or by reference to the search request:

Country (or regional Office): Date (day/month/year): Number:

Box No. VIII CHECK LIST

This international application contains the following number of sheets:	This international application is accompanied by the item(s) marked below:
1. request : 5 sheets	1. <input checked="" type="checkbox"/> separate signed power of attorney
2. description : 26 sheets	2. <input type="checkbox"/> copy of general power of attorney
3. claims : 3 sheets	3. <input type="checkbox"/> statement explaining lack of signature
4. abstract : 1 sheets	4. <input type="checkbox"/> priority document(s) identified in Box No. VI as item(s):
5. drawings : 21 sheets	
Total : 56 sheets	5. <input checked="" type="checkbox"/> fee calculation sheet
	6. <input type="checkbox"/> separate indications concerning deposited microorganisms
	7. <input type="checkbox"/> nucleotide and/or amino acid sequence listing (diskette)
	8. <input checked="" type="checkbox"/> other (specify): Request for submission of priority document

Figure No. 2 of the drawings (if any) should accompany the abstract when it is published.

Box No. IX SIGNATURE OF APPLICANT OR AGENT

Next to each signature, indicate the name of the person signing and the capacity in which the person signs (if such capacity is not obvious from reading the request).

FUJIMOTO Hiromitsu (Sealed)

KANDA Masayoshi (Sealed)

For receiving Office use only	
1. Date of actual receipt of the purported international application:	2. Drawings: <input type="checkbox"/> received: <input type="checkbox"/> not received:
3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application:	
4. Date of timely receipt of the required corrections under PCT Article 11(2):	
5. International Searching Authority ISA / JP	
6. <input type="checkbox"/> Transmittal of search copy delayed until search fee is paid	

For International Bureau use only
Date of receipt of the record copy by the International Bureau:

Translation

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference FP97-262	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/JP98/00233	International filing date (day/month/year) 22 January 1998 (22.01.1998)	Priority date (day/month/year) 23 January 1997 (23.01.1997)
International Patent Classification (IPC) or national classification and IPC G09G 5/00, G05G5/36, G06F 3/153		
Applicant SHARP KABUSHIKI KAISHA		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.

2. This REPORT consists of a total of 3 sheets, including this cover sheet.

This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of _____ sheets.

3. This report contains indications relating to the following items:

- I Basis of the report
- II Priority
- III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV Lack of unity of invention
- V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI Certain documents cited
- VII Certain defects in the international application
- VIII Certain observations on the international application

Date of submission of the demand 14 August 1998 (14.08.1998)	Date of completion of this report 28 August 1998 (28.08.1998)
Name and mailing address of the IPEA/JP	Authorized officer
Facsimile No.	Telephone No.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/JP98/00233

I. Basis of the report

1. This report has been drawn on the basis of (*Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments.*):

the international application as originally filed.

the description, pages _____, as originally filed,
pages _____, filed with the demand,
pages _____, filed with the letter of _____,
pages _____, filed with the letter of _____

the claims, Nos. _____, as originally filed,
Nos. _____, as amended under Article 19,
Nos. _____, filed with the demand,
Nos. _____, filed with the letter of _____,
Nos. _____, filed with the letter of _____

the drawings, sheets/fig _____, as originally filed,
sheets/fig _____, filed with the demand,
sheets/fig _____, filed with the letter of _____,
sheets/fig _____, filed with the letter of _____

2. The amendments have resulted in the cancellation of:

the description, pages _____

the claims, Nos. _____

the drawings, sheets/fig _____

3. This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

4. Additional observations, if necessary:

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/JP98/00233

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**1. Statement**

Novelty (N)	Claims	1-9	YES
	Claims		NO
Inventive step (IS)	Claims	1-9	YES
	Claims		NO
Industrial applicability (IA)	Claims	1-9	YES
	Claims		NO

2. Citations and explanations

特許協力条約

PCT

国際予備審査報告

REC'D 21 SEP 1998

(法第12条、法施行規則第56条)
[PCT36条及びPCT規則70]

出願人又は代理人 の書類記号 F P 9 7 - 2 6 2	今後の手続きについては、国際予備審査報告の送付通知（様式PCT/IPEA/416）を参照すること。	
国際出願番号 PCT/JP98/00233	国際出願日 (日.月.年) 22.01.98	優先日 (日.月.年) 22.01.97
国際特許分類 (IPC) Int. C1° G09G5/00, G09G5/36, G06F3/153		
出願人（氏名又は名称） シャープ株式会社		

1. 国際予備審査機関が作成したこの国際予備審査報告を法施行規則第57条（PCT36条）の規定に従い送付する。

2. この国際予備審査報告は、この表紙を含めて全部で 3 ページからなる。

- この国際予備審査報告には、附属書類、つまり補正されて、この報告の基礎とされた及び／又はこの国際予備審査機関に対してした訂正を含む明細書、請求の範囲及び／又は図面も添付されている。
(PCT規則70.16及びPCT実施細則第607号参照)
- この附属書類は、全部で ページである。

3. この国際予備審査報告は、次の内容を含む。

- I 国際予備審査報告の基礎
- II 優先権
- III 新規性、進歩性又は産業上の利用可能性についての国際予備審査報告の不作成
- IV 発明の單一性の欠如
- V PCT35条(2)に規定する新規性、進歩性又は産業上の利用可能性についての見解、それを裏付けるための文献及び説明
- VI ある種の引用文献
- VII 国際出願の不備
- VIII 国際出願に対する意見

国際予備審査の請求書を受理した日 14.08.98	国際予備審査報告を作成した日 28.08.98
名称及びあて先 日本国特許庁 (IPEA/JP) 郵便番号 100-8915 東京都千代田区霞が関三丁目4番3号	特許庁審査官（権限のある職員） 大野 弘 印 電話番号 03-3581-1101 内線 3533
	5H 9175

I. 国際予備審査報告の基礎

1. この国際予備審査報告は下記の出願書類に基づいて作成された。（法第6条（PCT14条）の規定に基づく命令に応答するために提出された差し替え用紙は、この報告書において「出願時」とする）

 出願時の国際出願書類

<input type="checkbox"/>	明細書 第	ページ、	出願時のもの
<input type="checkbox"/>	明細書 第	ページ、	国際予備審査の請求書と共に提出されたもの
<input type="checkbox"/>	明細書 第	ページ、	付の書簡と共に提出されたもの
<input type="checkbox"/>	明細書 第	ページ、	付の書簡と共に提出されたもの
<input type="checkbox"/>	請求の範囲 第	項、	出願時に提出されたもの
<input type="checkbox"/>	請求の範囲 第	項、	PCT19条の規定に基づき補正されたもの
<input type="checkbox"/>	請求の範囲 第	項、	国際予備審査の請求書と共に提出されたもの
<input type="checkbox"/>	請求の範囲 第	項、	付の書簡と共に提出されたもの
<input type="checkbox"/>	請求の範囲 第	項、	付の書簡と共に提出されたもの
<input type="checkbox"/>	図面 第	ページ／図、	出願時に提出されたもの
<input type="checkbox"/>	図面 第	ページ／図、	国際予備審査の請求書と共に提出されたもの
<input type="checkbox"/>	図面 第	ページ／図、	付の書簡と共に提出されたもの
<input type="checkbox"/>	図面 第	ページ／図、	付の書簡と共に提出されたもの

2. 補正により、下記の書類が削除された。

<input type="checkbox"/>	明細書 第	ページ
<input type="checkbox"/>	請求の範囲 第	項
<input type="checkbox"/>	図面 第	ページ／図

3. この国際予備審査報告は、補充欄に示したように、補正が出願時における開示の範囲を越えてされたものと認められるので、その補正がされなかったものとして作成した。 (PCT規則70.2(c))

4. 追加の意見（必要ならば）

V. 新規性、進歩性又は産業上の利用可能性についての法第12条（PCT35条(2)）に定める見解、それを裏付ける文献及び説明

1. 見解

新規性 (N)

請求の範囲 1 - 9 有
請求の範囲 _____ 無

進歩性 (I S)

請求の範囲 1 - 9 有
請求の範囲 _____ 無

産業上の利用可能性 (I A)

請求の範囲 1 - 9 有
請求の範囲 _____ 無

2. 文献及び説明

Translation

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference FP97-262	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/JP98/00233	International filing date (day/month/year) 22 January 1998 (22.01.1998)	Priority date (day/month/year) 23 January 1997 (23.01.1997)
International Patent Classification (IPC) or national classification and IPC G09G 5/00, G05G5/36, G06F 3/153		
Applicant SHARP KABUSHIKI KAISHA		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.

2. This REPORT consists of a total of 3 sheets, including this cover sheet.

This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of _____ sheets.

3. This report contains indications relating to the following items:

- I Basis of the report
- II Priority
- III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV Lack of unity of invention
- V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI Certain documents cited
- VII Certain defects in the international application
- VIII Certain observations on the international application

Date of submission of the demand 14 August 1998 (14.08.1998)	Date of completion of this report 28 August 1998 (28.08.1998)
Name and mailing address of the IPEA/JP	Authorized officer
Facsimile No.	Telephone No.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/JP98/00233

Drawn on the basis of (Replacement sheets which have been furnished to the receiving Office in response to an invitation to pay the fee for examination and for payment of the search fee are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments.):

- the international application as originally filed.
- the description, pages _____, as originally filed,
pages _____, filed with the demand,
pages _____, filed with the letter of _____,
pages _____, filed with the letter of _____.
- the claims, Nos. _____, as originally filed,
Nos. _____, as amended under Article 19,
Nos. _____, filed with the demand,
Nos. _____, filed with the letter of _____,
Nos. _____, filed with the letter of _____.
- the drawings, sheets/fig _____, as originally filed,
sheets/fig _____, filed with the demand,
sheets/fig _____, filed with the letter of _____,
sheets/fig _____, filed with the letter of _____.

2. The amendments have resulted in the cancellation of:

- the description, pages _____
- the claims, Nos. _____
- the drawings, sheets/fig _____

3. This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

4. Additional observations, if necessary:

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/JP98/00233

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**1. Statement**

Novelty (N)	Claims	1-9	YES
	Claims		NO
Inventive step (IS)	Claims	1-9	YES
	Claims		NO
Industrial applicability (IA)	Claims	1-9	YES
	Claims		NO

2. Citations and explanations

特許協力条約

PCT

EP

US

国際調査報告

(法8条、法施行規則第40、41条)
[PCT18条、PCT規則43、44]

出願人又は代理人 の書類記号 F P 9 7 - 2 6 2	今後の手続きについては、国際調査報告の送付通知様式(PCT/ISA/220)及び下記5を参照すること。			
国際出願番号 PCT/JP98/00233	国際出願日 (日.月.年)	22.01.98	優先日 (日.月.年)	23.01.97
出願人(氏名又は名称) シャープ株式会社				

国際調査機関が作成したこの国際調査報告を法施行規則第41条(PCT18条)の規定に従い出願人に送付する。この写しは国際事務局にも送付される。

この国際調査報告は、全部で 3 ページである。

この調査報告に引用された先行技術文献の写しも添付されている。

1. 請求の範囲の一部の調査ができない(第I欄参照)。
2. 発明の単一性が欠如している(第II欄参照)。
3. この国際出願は、ヌクレオチド及び/又はアミノ酸配列リストを含んでおり、次の配列リストに基づき国際調査を行った。
 - この国際出願と共に提出されたもの
 - 出願人がこの国際出願とは別に提出したもの
 - しかし、出願時の国際出願の開示の範囲を越える事項を含まない旨を記載した書面が添付されていない
 - この国際調査機関が書換えたもの
4. 発明の名称は
 - 出願人が提出したものと承認する。
 - 次に示すように国際調査機関が作成した。

5. 要約は
 - 出願人が提出したものと承認する。
 - 第III欄に示されているように、法施行規則第47条(PCT規則38.2(b))の規定により国際調査機関が作成した。出願人は、この国際調査報告の発送の日から1ヶ月以内にこの国際調査機関に意見を提出することができる。
6. 要約書とともに公表される図は、
第 2 図とする。 出願人が示したとおりである。 なし
 - 出願人は図を示さなかった。
 - 本図は発明の特徴を一層よく表している。

A. 発明の属する分野の分類(国際特許分類(IPC))

Int. C1⁶ G09G5/00, G09G5/36, G06F3/153

B. 調査を行った分野

調査を行った最小限資料(国際特許分類(IPC))

Int. C1⁶ G09G5/00, G09G5/36, G06F3/153

最小限資料以外の資料で調査を行った分野に含まれるもの

国際調査で使用した電子データベース(データベースの名称、調査に使用した用語)

C. 関連すると認められる文献

引用文献の カテゴリー*	引用文献名 及び一部の箇所が関連するときは、その関連する箇所の表示	関連する 請求の範囲の番号
Y	J P, A, 59-128590 (株式会社ナムコ), 24. 7月. 1984 (24. 7. 84), 第7頁右上欄第6行目—第8頁左上 位欄第10行目及び第12図 (ファミリーなし)	1
Y	J P, A, 7-36430 (静岡日本電気株式会社), 7. 2月. 1995 (7. 2. 95), 第2頁右欄第36行目—第3頁第22 行目及び第1図 (ファミリーなし)	1, 6
Y	J P, 6-266834 (日本無線株式会社), 22. 9月. 19 94 (22. 9. 94), 第8頁左欄第18行目—第11頁左欄第 15行目及び第1図 (ファミリーなし)	4, 5
Y	J P, A, 1-274232 (日本電気株式会社), 2. 11月. 1989 (2. 11. 89), 第2頁右上欄第15行目—左下欄第 5行目及び第1図&EP, A2, 354768&US, A, 496	7, 8

 C欄の続きにも文献が列挙されている。 パテントファミリーに関する別紙を参照。

* 引用文献のカテゴリー

「A」特に関連のある文献ではなく、一般的技術水準を示す
もの「E」先行文献ではあるが、国際出願日以後に公表されたも
の「L」優先権主張に疑義を提起する文献又は他の文献の発行
日若しくは他の特別な理由を確立するために引用する
文献(理由を付す)

「O」口頭による開示、使用、展示等に言及する文献

「P」国際出願日前で、かつ優先権の主張の基礎となる出願

の日の後に公表された文献

「T」国際出願日又は優先日後に公表された文献であって
て出願と矛盾するものではなく、発明の原理又は理
論の理解のために引用するもの「X」特に関連のある文献であって、当該文献のみで發明
の新規性又は進歩性がないと考えられるもの「Y」特に関連のある文献であって、当該文献と他の1以
上の文献との、当業者にとって自明である組合せに
よって進歩性がないと考えられるもの

「&」同一パテントファミリー文献

国際調査を完了した日

08.04.98

国際調査報告の発送日

21.04.98

国際調査機関の名称及びあて先

日本国特許庁 (ISA/JP)

郵便番号 100-8915

東京都千代田区霞が関三丁目4番3号

特許庁審査官(権限のある職員)

大野 弘

5H 9175



電話番号 03-3581-1101 内線 3533

C (続き) 関連すると認められる文献

引用文献の カテゴリー*	引用文献名 及び一部の箇所が関連するときは、その関連する箇所の表示	関連する 請求の範囲の番号
A	6486&AT, E, 111822&DE, CO, 6891837 4&ES, T3, 2059771 JP, A, 6-19452 (松下電器産業株式会社), 28. 1 月. 1994 (28. 1. 94), 第3頁左欄第20行目—第26 行目及び第1図 (ファミリーなし)	